

TERRAIN UNIT	Ffg	$\frac{F_D}{B_x}$	Cf	Bx	Fpt	$\frac{F_D}{B_x}$	Fpt	$\frac{C_l}{G_t}$	$B_x + \frac{C}{B_x}$	
BEDROCK	Jtk - TALKEETNA FORMATION					TI INTRUSIVE ROCK		Qu		Tc
HAZARDS										
PERMAFROST	D									
COMMENTS	<div><div>BOULDER CREEK NO. 2 XING</div><div>BLACKSHALE CREEK XING</div><div>CENTRAL TALKEETNA MTS BOULDER CREEK NO. 1 XING</div><div>UPPER MATANUSKA VALLEY</div></div>									
POTENTIAL MATERIAL SITES	<div><div></div><div>MP 101.7</div><div>MP 104.2</div><div>SEE PROPOSED REALIGNMENT NEXT SHEET</div></div>									
PROPOSED DISPOSAL SITES	<div><div>MP 101.2</div></div>									

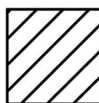
TERRAIN UNIT SYMBOLS/NAMES

Bx	Bedrock	
C	Colluvium	Layer
Cf	Colluvial Fan Deposits	
Cl	Landslide	Organic
Cs	Solifluction Deposits	
Ct	Talus	
El	Loess	
Es	Eolian Sand	
Ffg	Alluvial Fan (Granular)	
Ffs	Alluvial Fan (Fine-Grained)	
Fp	Floodplain (Granular)	
Fpf	Floodplain (Fine-Grained)	
Fpt	Terrace	
GL	Glacial Lacustrine (glacial lake) Deposits	
Gt	Glacial Till	
GF	Glacio Fluvial (meltwater) Deposits, Undifferentiated	
GFO	Outwash Deposits	
GFe	Esker Deposits	
GFK	Kame Deposits	
GFI	Lowland Glacio Fluvial (meltwater) Deposits	
Ht	Mine Tailings	
L	Lacustrine Deposit	
Lt	Lacustrine Thaw Basin/Lake Deposits	
Me	Marine Estuarine Deposits	
O	Organic Deposits	
Vm	Mud Volcano	
Wl	Water (Lake)	

TERRAIN UNIT EXPLANATION

Layered terrain unit:

Organic Deposits overlying Glacial Till Deposits



Potential Material Site



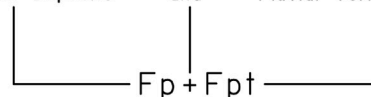
Proposed Disposal Site

PERMAFROST CLASSIFICATIONS

GA	Generally Absent
S	Sporadic
D	Discontinuous
GF	Generally Frozen

Mosaic terrain unit, dominant component listed first:

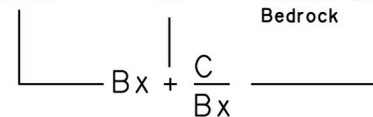
Floodplain Deposits and Fluvial Terrace Deposits



Note: The alignment and mileposts shown are based on the March, 2005 alignment.

Complex terrain units:

Bedrock and Colluvial Deposits overlying



LIMITATIONS

This map is intended only for general planning purposes. There has been no field verification of the interpretation other than recourse to published and unpublished maps and reports. Detailed design will require site-specific data including additional on-site investigation to verify terrain units, their characteristics, and their geotechnical properties.

I	10/05	FINAL SUBMITTAL	PKH	CHR	JWR
O	9/05	DRAFT SUBMITTAL FOR REVIEW	PKH	CHR	JWR
No.	DATE	REVISIONS	BY	CHKD	APP

ALASKA NATURAL
GAS DEVELOPMENT AUTHORITY

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NATURAL GAS PIPELINE

ROUTE SOIL CONDITIONS

GLENNALLEN TO PALMER SPUR LINE

SCALE IN FEET

DRAWING NO.

REV.

019

